

ABSTRACT OF THE DISCLOSURE

In a belt coil serving as a transmitter/receiver for recording body-internal values, a belt coil including at least one insulated conductor tape for placement around a human or animal body part carries conductors and a connecting structure for closing the belt and interconnecting the individual conductors into a coil, and the belt tape includes a resilient section in which also each conductor is longitudinally expandable, and the contacts structures of the connector members are arranged in a displaced fashion such that the end of one conductor is connected to the beginning of a next adjacent conductor when the connecting members are joined and the opposite ends of the outermost conductors are accessible.